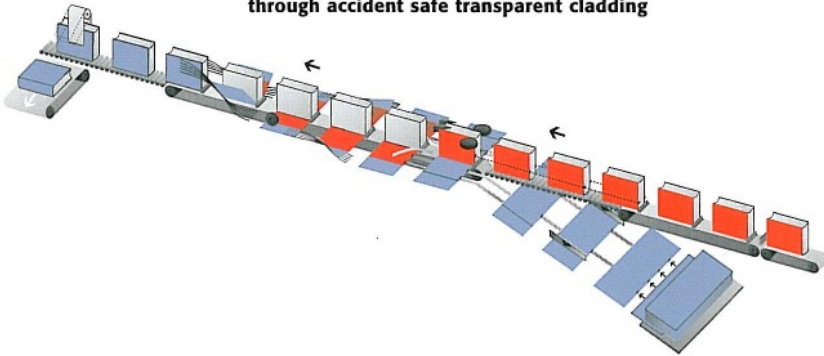


KOLBUS SU 651

- Distinctive, permanent grooving through variable temperature, heated grooving tools
- Particularly snug fitting, even with difficult material
- Shortest make-ready times
- Particular space saving configuration for linear coupling to KOLBUS book forming and pressing machine FE 604
- Excellent vision and control of the entire production process through accident safe transparent cladding



The dust jacket is an indispensable part of today's book providing a medium for promotional and advertising messages. **KOLBUS** offers the best machine to process dust jackets. The high degree of operating reliability and proven design of the **SU 651** ensures its easy integration into in-line production lines.

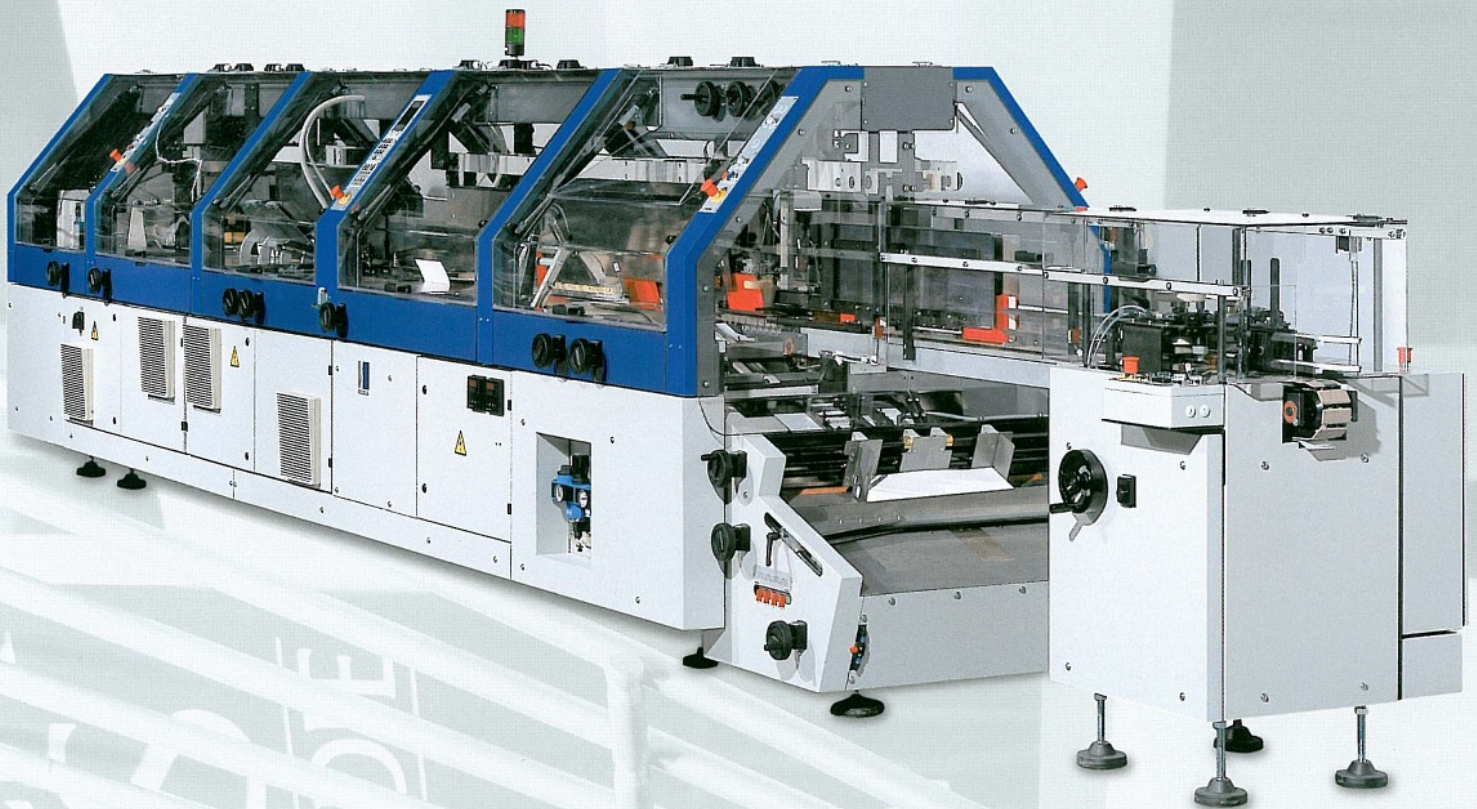
■ Operating method

The books arriving from the book flow line lying flat are either placed on their spine by means of a lay up belt, or directly and continuously fed to the machine in an upright position. An extended feeding belt is also offered for manual feeding.

A cycle module as part of the **SU 651** separates the books arrived in a row. These books are then fed into the machine at the selected speed.

The machine is automatically supplied with jackets by a non-stop feeder with stacking magazine. Safe and

Jacketing machine **SU 651**



gentle sheet separation is performed from below by means of a cycled vacuum belt.

The book is placed in an upright position on sheets aligned at the rear edges by parallel pushers and by guide slots along the side edges. During transport, the jacket fixed to the book is provided with a distinct, permanent groove in a grooving station working with follower-type, parallel, heated grooving tools. This principle which is close to an embossing process, ensures an accurate snug-fit of the jacket on the book.

Prior to the book being placed on the sheet, the covers are separated from the book block and the end sheet in a special book opening device and guided in an additional channel featuring only a slight inclination.

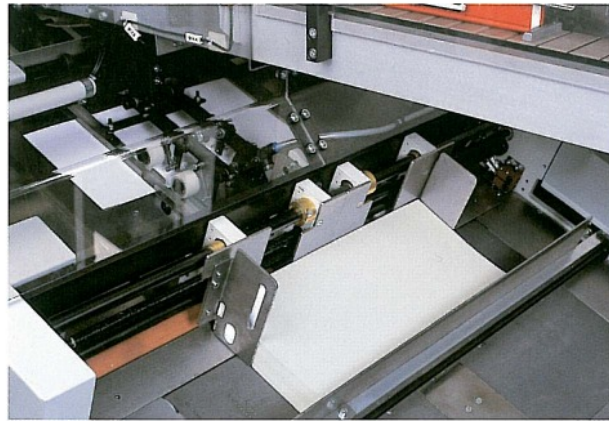
Turning over and fixing the flaps of the jacket around the edge of the book cover are performed in another process in the flap turning in station, separately driven rollers supporting the precise alignment of the turned in flaps.

During transport, the cam controlled closing device supports and guides the jacketed book throughout the entire process, thereby closing the book with the jacket flaps folded in.

Depending on the equipment variant selected, the jacketed books are deposited in the delivery station onto a transport belt, with the spine first either to the right or to the left.

All major adjustments are made by means of spindles and hand wheels outside of the guarding. This concept also permits adjustments during production. The pre-adjustment system with digital position displays per axis gives the shortest possible set-up times.

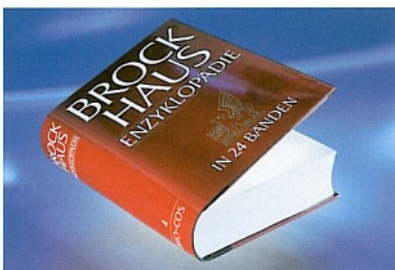
▷ Jacket feeder – separation and feeding



▷ Follower-type scoring bars

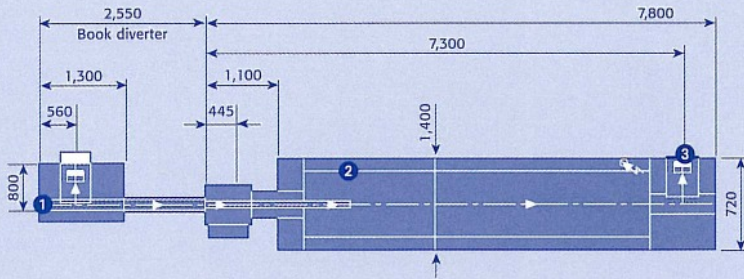


▷ Closing device with controlled folding elements



△ Book with jacket

SU 651 - GROUND PLAN



- ❶ Infeed height, approx. 900 mm
- ❷ Compressed air supply, 25.0 Nm³/h, 6 bar
- ❸ Delivery to the left, delivery height approx. 900 mm

TECHNICAL DATA

BOOKSIZE

Width x Height x Thickness

max. 300 x 390 x 80 mm

min. 95 x 125 x 8 mm

(smaller book thickness on request together with samples)

BLOCK THICKNESS

min. 6 mm

(smaller block thickness on request together with samples)

JACKET SIZE

max. 900 x 390 mm

min. 300 x 125 mm

FLAP WIDTH

max. 150 mm

min. 50 mm

(max. flap width at least 30 mm smaller than book case width)

SCORING RAIL DISTANCE

max. 680 mm

min. 200 mm

MECHANICAL SPEED

up to 65 cycles/min (steplessly adjustable)

Net production is subject to sizes, materials, etc.

The customer has to provide:

COMPRESSED AIR REQUIREMENT

25 Nm³/h

FACTORY LINE PRESSURE

6 bar

COMPRESSED AIR SUPPLY

see extra sheet

MACHINE DIMENSIONS

Length 7,840 mm (inline-version)

10,360 mm (with upstream book diverter)

9,060 mm (with hand feeding unit)

Width 1,520 mm (with closed protective hoods)

2,100 mm (with opened protective hoods)

Height 1,700 mm (with closed protective hoods)

2,200 mm (with opened protective hoods)

Infeed/delivery height: 900 mm (+/- 50 mm)

WEIGHT

4,500 kg

ELECTRICAL EQUIPMENT

3 phase, 400 volt/N/PE, 50 cycles

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